**PL SQL 2**

**1. Write a program that computes the perimeter and the area of a rectangle. Define**

**your own values for the length and width. (Assuming that L and W are the length**

**and width of the rectangle, Perimeter = 2\*(L+W) and Area = L\*W. Display the**

**output on the screen using dbms\_output.put\_line.**

1 create or replace procedure calcu\_area\_perimeter(len in number, wid in number)

2 as

3 area number:= 0;

4 perimeter number:=0;

5 begin

6 area:=len\*wid;

7 perimeter:=2\*(len+wid);

8 DBMS\_OUTPUT.PUT\_LINE('Area is: '|| area ||', '||'Perimeter is: '|| perimeter);

9\* end;

SQL> /

Procedure created.

SQL> execute calcu\_area\_perimeter(20,30);

Area is: 600, Perimeter is: 100

**2. Write a program that declares an integer variable called num, assigns a value to it,**

**and computes and inserts into the tempp table the value of the variable itself, its**

**square, and its cube.**

1 create procedure q2(num number)

2 as

3 square number:=0;

4 cube number:=0;

5 begin

6 square:= num\*num;

7 cube:= num\*num\*num;

8 insert into tempp values(num, square, cube);

9\* end;

SQL> /

Procedure created.

SQL> execute q2(2);

PL/SQL procedure successfully completed.

SQL> select \* from tempp;

VAL SQUARE CUBE

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2 4 8

**3. Convert a temperature in Fahrenheit (F) to its equivalent in Celsius (C) and vice**

**versa. The required formulae are:-**

**C= (F-32)\*5/9**

**F= 9/5\*C + 32**

**Display the output on the screen using dbms\_output.put\_line. Data has to be**

**input by the user.**

**4. Convert a number of inches into yards, feet, and inches. For example, 124 inches**

**equals 3 yards, 1 foot, and 4 inches. Display the output on the screen using**

**dbms\_output.put\_line. Data has to be input by the user.**

**5. Write a program that enables a user to input an integer. The program should then**

**state whether the integer is evenly divisible by 5. (Use decode instead of IF**

**statement where required). Display the output on the screen using**

**dbms\_output.put\_line. Data has to be input by the user.**

**6. Your block should read in two real numbers and tell whether the product of the**

**two numbers is equal to or greater than 100. Display the output on the screen**

**using dbms\_output.put\_line. (Use decode instead of IF statement where**

**required). Data has to be input by the user.**